Roland®

Take Your Guitar Further

GR-33
GI-20

VG-88 Ver.2
V-Bass

VGA-7
VGA-3

The Future of Guitar Begins with "GK."

Roland's passion for guitar synthesis began back in 1977 with the legendary GR-500. This revolutionary system consisted of a highly modified guitar connected to a synth module via Roland's 24-pin interface (the predecessor of the divided pickup used in modern GK Gear). Now there are more ways than ever to take your guitar and bass playing further. Whether you want high-quality synthesizer sounds, extremely accurate guitar and amp models—or just a way to turn your instrument into an expressive MIDI controller—Roland's got the solution. Find out how GK gear can get you in the game.

GR-500

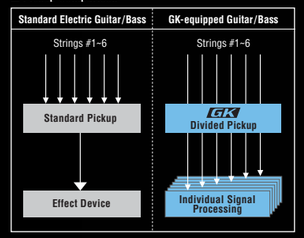
Roland's GR-500 paved the way for generations of guitar synthesizers culminating in the modern GR-33.

Cutting-Edge Tools for Guitar and Bass.

GK *The Industry-Standard 13-Pin Pickup.*

The Roland 13-pin GK Pickup allows each string to be output as a separate signal, permitting guitar synthesis and effects processing possibilities far beyond conventional guitar pickups. Installing the GK-2A Divided Pickup or GK-2B Divided Pickup for Bass is simple and totally reversible, but the effect you have on your listeners will be permanent.

■ **Pickup Comparison**



■ Normal guitar pickups output all six strings in mono. There is no way to output each string separately to play guitar synthesizers or create polyphonic effects.

■ Roland's 13-pin GK Pickup separates the output of each string, making it possible to create new types of effects and play synthesizer sounds using splits and layers.

■ Divided pickups are extremely flexible. At any moment, you can switch to your normal guitar pickup, the divided pickup, or blend in the sound from both.

■ Installing a divided pickup on a guitar or bass is easy and non-permanent. Choose between a body-mounted kit and a kit that installs discreetly inside your instrument.

*This GK-Kit is only available at authorized Roland dealers who is capable of installing the kit.

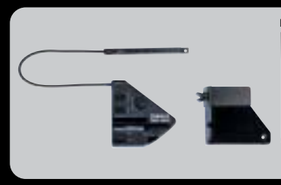
■ By blending your natural guitar tone with the sound of the divided pickup, you can create entirely new sounds.

The Heart of Roland's GK Gear

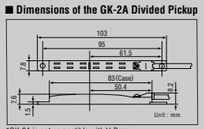
Divided Pickup for Guitar

GK-2A GK

The GK-2A is a slim, hexaphonic pickup designed to fit on virtually any guitar. This advanced pickup sends an individual output for each string to GK-compatible gear, and can be attached or detached at any time.



■ **Dimensions of the GK-2A Divided Pickup**



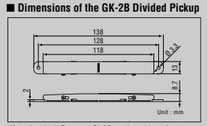
*GK-2A is not compatible with V-Bass

Divided Pickup for Bass

GK-2B GK

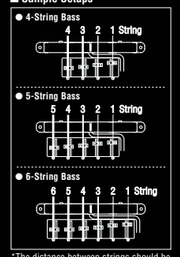
The GK-2B is the first bass pickup that can send an individual output for each string of a 4-, 5- or 6-string bass. Like the GK-2A, it can be attached or removed at anytime.

■ **Dimensions of the GK-2B Divided Pickup**



*Note that the V-Bass and GI-20 are the only products currently compatible with the GK-2B. You cannot use this pickup with the GR-33, VG-88, VGA-7/-3 or WP/OC-20G.

■ **Sample Setups**



*The distance between strings should be 16 mm to 19 mm.

GR&GI

Guitar Synthesizer & GK-MIDI Interface

Play a Range of Expressive Synthesizer Sounds

Thanks to the their GK interfaces, the Roland GR-33 and GI-20 deliver the lightning-fast tracking needed to play modern synthesizer sounds and MIDI gear from your guitar. Choose the GI-20 if you already have a MIDI module, or simply plug into the GR-33 for instant access to Roland's finest synthesizer sounds.

VG&V-Bass

V-Guitar System & V-Bass

Complete Guitar and Amp Modeling Systems

The Roland VG-88 V-Guitar™ System and V-Bass give guitar and bass players, respectively, the most advanced and powerful modeling systems on the planet. Not only do they model some of the most popular guitars and basses around, but also the actual pickups—plus speaker cabinets, amplifiers and more.

VGA

V-Guitar Amplifier

Modeling Amps with GK Technology

The perfect match for a GK-ready guitar, the VGA-7 and VGA-3 V-Guitar Amplifiers go where no other amplifier has gone before. Using Roland's acclaimed COSM® technology and time-tested amplifier design, the VGA-7 and VGA-3 model not only vintage and modern amps, but also *actual guitars*. It's everything you need in one sweet-sounding amp.

GR-33 GK
GUITAR SYNTHESIZER

GR GUITAR SYNTHESIZER

Roland's Ultimate Guitar Synth.

Fantastic Sounds and Super-Accurate Tracking

Upgraded Sound Engine

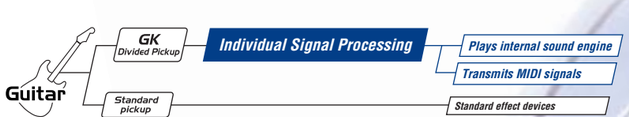
The GR-33 Guitar Synthesizer greatly expands the range and quality of sounds currently available to guitar players, thanks to Roland's legendary sound engine. This rich engine opens up a whole new world of sounds for guitarists—sounds that can be layered with two Tones each. Everything from incredibly realistic strings, fat analog basses, vintage synths, nylon-string guitars or even sound effects can be used to transform any GK-equipped guitar into an entirely new instrument for recording, MIDI sequencing or live performance.

Blend Synth and "Straight" Sounds

Want to hear the future of guitar? Then just plug into a GR-33 and blend the sound of your standard guitar pickups with that of the GR-33's impressive synth engine. Layer a killer organ over your favorite guitar amp or external effects, or tap into the GR-33's onboard Arpeggiator and Intelligent Pitch Shifter to create incredible dreamy or textural tones. A whole new world of sound awaits.

Packed with Killer Effects and Helpful Features

In addition to its dedicated Reverb and Chorus processing, the GR-33 offers an onboard Multi-FX processor with 40 insert effects including overdrive, distortion, rotary and much more. There are also four on/off pedals and an assignable expression pedal for quick realtime Patch selection and tweaking. A stereo return input makes it easy to route a guitar from an external effects processor to the GR-33, while an Output Select switch permits connection to a guitar amp or power amp.



GR Get deep low-end tones by using the onboard synth sounds—just like Roland's classic analog guitar synths

GR Expand your performance by playing over the GR-33's synth rhythm loops and arpeggiator patterns

GR Create unique guitar sounds by blending your guitar's natural tone with the GR-33's electronic sounds

■ Preset Tone List

GR Piano	R&R Org&Gtr	Kalimba	BPF Guitar	Trem Mandlin	SH101 Zap Bs	Flt&Clarinet	Harmonica 1	Big Brass	KG800 Ld	Digi Lead 1	"VH" Synth	JzVoice Bop	Full Orch	Fat Pad	Atmospheric
Cool Piano	Jazz Organ 1	Steel Drum	Slow Gtr	Koto	TB-303 Bass	Shanai	Harmonica 2	BrassSect x4	2Pole SawLd	Digi Lead 2	MG Det.Saw	VowVowVox	Violin Solo	Prologue	Feedbackwave
Dark Piano	Jazz Organ 2	Asian Gong	Clean Tele1	Kayakeum	TB-303 Bs x2	Mizmar	Accord Fr.	BrassFalloff	GR300 Saw1	RezBrassLead	Fat JP-6	London Choir	GR Cello	Cosmos Pad	Volcano EFX
Old Upright	60's Organ	Jubilaj	Clean Tele2	Shamisen	TB Solid Bs	Ocarina	Squeze Box	Mellow Horn	GR300 Saw2	DigiwaveLead	Detuned Saw	GregorianChr	GR Fiddle	Saws Pad	Vocal Phrase
Piano&String	CathedralOrg	Kajar	Dual Guitars	Shamisen Ens	FunkySynBass	Tin Whistle	Trumpet	OBXP Brass	JP-4 Lead	WAVE Table	JP Hollo	Slow Choir	Erhu Vsw	SawsSweep1	Oxygen-Jar
Piano&Choir	Pipe Organ 1	Angklung	Clean Strat1	Harp	SinewaveBass	Blow Pipe	Trumpet Ens.	MG Brass	Puls Reso Ld	Sync Sweep	Fairies	Hybrid Chr	Pizz	Sweep Pad	Motion Synth
SA Rhodes	Pipe Organ 2	Bendir	Clean Strat2	Harp Trem	JP-4 Bass	Sicu Pipe	Attack Trump	Saws Brass	Alpha Lead	JUNO Clavi	Blaster	Breathy Vox	JP-8 Strings	LFOSweepSaw	Tempered2000
StageRhd Sft	P.Org&Choir	Timpani	Muted Gt.	Ac.Upr.Bass	FM SynthBass	Zampona	MutedTrumpet	Brassy Saw	MG Saw 1	JUNOClaviRez	Daft wave	Syn Vox	JUNO Strings	SawsSweep2	ComputerRoom
StageRhd Hrd	Shine On...	Nylon Gtr mp	Scat Guitar	Upright Bass	Pedal Bass 1	Shakuhachi	Lo-Fi RoomTp	Synth Brass1	MG Saw 2	JUNOFunkClav	TB Reso Sqr	Voice Oohs	OB Strings	JUNO Polaris	Emergency
StageRhd Vsw	Sweep Organ	Nylon Gtr mf	Dist Solo Gt	Guitaron Bs	Pedal Bass 2	Soprano Sax	Trombone	Synth Brass2	MG Saw 3	Simple Synth	AuhVox Rave	SweepVox Pad	OBXP Strings	Filter Dance	Toy Gun
PopE.Pno Sft	Organ Bell	NylonGtr Vsw	Lead Gtr +FB	FingeredBass	Sys 700 Bs 1	Sop Sax Ens.	Tbone Sect.	Solo SynBrs	SH-5 Saw	JP Pluck 1	Orch. Hit	Sweep SynVox	JP-8Haunting	Flying GR	Rattle Efx
PopE.Pno Hrd	NewAge Bells	Super Nylon	Bowed Guitar	Funky Bs Vsw	Sys 700 Bs 2	AltoSaxSoft	Tbones&Saxes	OB Lead 1	SH-101 Saw	JP Pluck 2	Philly Hit	JX-8P Vox 1	Hollow Pad	Strobe Mode	Salsa Split
PopE.Pno Vsw	Fantasia GR	Nylon & Str	TrPan D.Gtr	Slap Bass	ResoSynBass	AltoSaxHard	Flugel Atk	OB Lead 2	D-50 Saw 1	Lo-Fi Keys	BrassVox Hit	JX-8P Vox 2	JP Synth Vox	LFO VOX	Tabla&Sitar
BritePop EP	Digiwave	Nylon & Chr	Heavy Duty	Mute/Pick Bs	TB-303 RezBs	Breathy Alto	Flugel Horn	Sqr Lead 1	D-50 Saw 2	Nasty Keys 1	FX TomHit	Machine Vox	Air Prologue	Slicer	Didgeri Flt
Detuned EP	Frog wave	Acoustic6 mp	Dist Gtr Chd	Muted Bass	Saw Yer Bass	Alto Sax Vsw	Flugel Ens.	P5 Pipe	OB Saw	Nasty Keys 2	Drill Hit	St.Strings	Fine Wine	IndustrialLp	Didgeri Pipe
E.P.&Strings	JUNO AnaBell	Acoustic6 mf	Gtr Feedback	Picked Bass	Attack Flute	AltoLead Sax	Solo F.Horn	JP-8 Square	Synth Pulse1	Pulse Key	Pcm Press	Mono Strings	Bowed PnoPad	Random White	Salsa Phrase
E.P.&SynVox	Bell Pad	Ac.Harmonix	Drone Split	FretlessBass	GR Flute	Blow Sax	F.Horn Ens.	Sqr Lead 2	JP-8 Pulse 1	JP PulseKey1	PC-2 Machine	GR33 Strings	DigiSaw Pad	Cold Wind	DidgeridooPh
E.Org w/Pdl	Bell Vox	Acoustic6Vsw	Tambura	Fat Fretless	India Flute	Breathy Tnr	GR Horns	Synth Square	JP-8 Pulse 2	JP PulseKey2	Tape Stop	Orch Strings	Soft Pad	Wind & Waves	TablaBayaPhs
Bee3 slw/fst	SwellBellPad	Steel Away	Sitar	Beat Bass	MellowFlutes	TenorSax Hrd	Octave Brass	JP Det. Sqr	JP-8 Pulse 3	Air Keys	Perc Heaven	Fat Orc Str	Warm Pad	Pink Bomb	Drum Kit 1
Bee3 Organ	Glockenspiel	AcGtr & Str	E.Sitar	SH-101 Bs 1	Sing Flute	TenorSax Vsw	R&R Horn Ens	70's Lead	Pulse Lead	Digital Gtr	Analog Snare	Somber Str	SoundtrackGR	Noise Fall	Drum Kit 2
Mad Organ	Vibraphone	AcGtr & Chr	Bouzouki	SH-101 Bs 2	Scat Flute	T.Sax Sect	BrassSect GR	Cold Lead	JP Det.Pls	Analog Gtr	ScatVox Vsw	BriteStrings	Vintage Pad	Air Noise	HandPerc.Kit
Rock Organ 1	Xylophone	Acoustic-12	Bouzouki Ens	Bassic 101	Breathy	Baritone Sax	St.BrassSect	Hollow Lead	Detuned Pls	WireString	JzVoice Doos	Slow Strings	JUNO OrgPad	Icy	Vox Perc.Kit
Rock Organ 2	Marimba	18str Gtr	Banjo	Oct Bass 101	Oboe	Bari Sax Ens	BrassSect x3	FM Lead	MG Triangle	VectorGuitar	St.Vox Doos	TremoloStrng	SynHarmonica	Vox Noise	Gamelan Kit
R-Organ Full	Balaphone	Pedal Steel	Mandolin	ResoBass 101	Clarinet	Sax Sect x4	Horn Sect	700 Saw Ld	2600 Sine	Metro Pad	Voice Bahs	Marcato Str.	OB Synthy	VoxNz Key	Indus. Kit

● **Max. Polyphony** 48 voices ● **Internal Memory** 384 tones, 256 patches (Preset:128, User:128) ● **Built-in Effects** 40 insert Multi-FX, Chorus, Reverb ● **Display** 16 segments, 6 characters backlit LCD, 7 segments, 3 characters LED ● **Connectors** Mix Outputs L (Phones) / R (Mono), Guitar Return L/R (Mono), Guitar Out, Bank Shift, GK In, MIDI (In, Out), AC In ● **Power Supply** AC 14 V ● **Current Draw** 800 mA ● **Dimensions** 435(W) x 280(D) x 95(H) mm / 17-1/8 (W) x 11 (D) x 3-3/4 (H) inches ● **Weight** 2.5 kg /5 lbs. 9 oz. (excluding AC Adaptor) ● **Accessories** GK Connecting Cable C-13A(5 m), AC Adaptor (BRC Series)

GI-20 GK USB
GK-MIDI Interface

Turn Your GK-Equipped Guitar Into a Guitar Synth!

Affordable Guitar-MIDI Interface Works with Any MIDI Module

Guitar and Bass Synthesis Made Easy

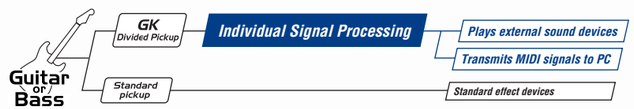
The GI-20 GK-MIDI Interface detects the signal from any electric guitar or bass equipped with a GK-2A or GK-2B pickup, respectively, and lets you trigger synthesizers and samplers, or even record your playing as MIDI data. Now any GK-equipped guitar or bass can become a powerful synth! The GI-20's 1/2-rack chassis is the perfect match for Roland's XV-2020 64-Voice Synthesizer Module, giving you hundreds of high-quality sounds to play with SRX expansion.

Create Your Own Guitar Synth

With the GI-20 and your GK-equipped guitar or bass, you can create your very own guitar synth. The GI-20's GK-to-MIDI converter means that any sound module equipped with MIDI can be played right from your guitar or bass. This gives you the freedom to build your own guitar synth, and the flexibility to change the sound source any time you wish. And the tracking is superb, so there's no need to adapt your playing style.

Convenient Features and USB

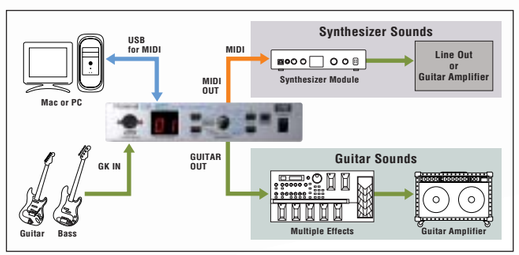
The GI-20's onboard USB port makes it the perfect choice for computer-based recording setups. A flexible Transpose function makes it possible to shift your playing up to +2/ -3 octaves—complete with optional footswitch control—while convenient Patch Memory lets you store user settings including "Play Feel," "Transpose/Mute" and Bank Select/Program Change messages. The GI-20's tracking can be adjusted for optimum performance using the Picking Sensitivity parameter.



GI An easy and affordable way to play MIDI modules from a GK-equipped guitar or bass

GI Ideal for guitarists who want to record their performance into computer-based sequencing programs

GI Supports alternate tunings for more flexible performance options



■ GI-20 Rear Panel

The Perfect Partner for the GI-20

- Half-rack synth module with 64MB of XV sounds and USB port
- 64-voice polyphony and 16-part multitimbral operation
- Expandable via two SRX-Series Wave Expansion Boards

XV-2020 64-VOICE SYNTHESIZER MODULE

■ System Requirements

<Windows> ● **Operating System** Microsoft Windows XP Home Edition/XP Professional/2000 Professional/98/Me ● **Computer** A Windows XP/2000/98/Me compatible computer with a USB connector that supports USB Specification Revision 1.0 or higher ● **CPU/Clock** *Windows XP: Pentium-compatible processor; 400 MHz or faster *Windows 2000: Pentium-compatible processor; 200 MHz or faster *98/Me: Pentium processor; 200 MHz or faster ● **Memory** *XP/2000:128 MB or more *98/Me: 64 MB or more

<Macintosh> ● **Operating System** Mac OS 8.5, 8.6, or 9.x ● **Computer** Apple USB Ready Macintosh ● **Required MIDI Driver** *FreeMIDI: Version1.35 or later *OMS: Version 2.3.5 or later ● **CPU/Clock** PowerPC G3 / 233 MHz or better ● **Memory** 64 MB or more ● **Required hard disk capacity** 1 MB or more

● **Patches** 50 ● **Display** 7 segments, 2 characters LED ● **Connectors** GK In, Foot Sw, Exp Pdl, Guitar Out, MIDI (In, Out), USB, DC In ● **Power Supply** DC 9 V; Supply AC Adaptor (ACI or ACB Series) ● **Current Draw** 450 mA ● **Dimensions** 218 (W) x 237 (D) x 44 (H) mm / 8-5/8 (W) x 9-3/8 (D) x 1-3/4 (H) inches, 218 (W) x 237 (D) x 46.4 (H) mm / 8-5/8 (W) x 9-3/8 (D) x 1-7/8 (H) inches (including rubber foot) ● **Weight** 1.3 kg / 2 lbs. 14 oz. (excluding AC Adaptor) ● **Accessories** AC Adaptor (120/230 V: ACI Series, 230 (UK)/240 V: ACB Series), GK Cable (3 m), MIDI Cable (1 m), Owner's Manual, CD-ROM (USB driver), Rubber Foot x 4 ● **Options** Rackmount Adaptor: RAD-50

VG-88 Ver.2 GK COSM
V-Guitar System

The World's Most Powerful Guitar Modeling System.
Now with Version 2 Software Pre-Installed

Advanced Modeling Only Possible with COSM
The Roland VG-88 presents guitarists with the next-generation of revolutionary V-Guitar™ technology. This futuristic guitar system uses advanced COSM® technology to "model" the most popular guitars and amplifiers in music history, as well as produce some very unique "guitar-meets-synth" sounds all its own. And with new Version 2 software, the VG-88 gains even more powerful features—making it Roland's finest V-Guitar system to date.

Outstanding COSM Guitar Models
Want to turn your GK-equipped guitar into a screamin' electric or a nylon string guitar at the press of a button? No problem. The VG-88's extensive list of guitar models encompasses everything from synth sounds to banjos, acoustic and electric 12-strings, hollow-bodies, single- and double-cutaway electrics and more. Version 2 software adds three more guitar models: Wave Synth, Sitar and the incredible-sounding Nylon Ⅱ model.

■ COSM Guitar Modeling Variations

TYPE	• VARI GT • ACOUSTIC • NYLON STRINGS • NYLON Ⅱ • OPEN TUNE • 12 STRINGS • PD SHIFT • POLY DIST	• POLY COMP • POLY OCT • POLY SG • BOWED • DUAL • FILTER BASS • PIPE • SOLO	• PWM • CRYSTAL • ORGAN • BRASS • SITAR • WAVE SYNTH
PICKUP	MODEL	• LP • CLA-ST • MOD-ST	• TEL • P-90 • LIPS	• P.A.F. • RICK • CHET	• S-S-H • VARI
	PICKUP	3 PICKUP	• REAR • C+R	• CENTER • C+F	• FRONT
		2 PICKUP	• REAR	• F+R	• FRONT
	TYPE	MODEL=VARI	• SINGLE • DOUBLE	• PIEZO • ACOUSTIC	
		COSM GUITAR TYPE=ACOUSTIC		• PIEZO • MIC	
	PHASE	• IN	• OUT		
	POSITION	5 ~ 320 mm			
	ANGLE	−315 ~ +315 mm			
BODY	BODY TYPE	• FLAT • ROUND	• f HOLE • METAL	• BANJO	
	• ATTACK • BODY	• LOW CUT • LEVEL	• SIZE • RESO	• BOTTOM	
POLYPHONIC EFFECT	• POLYPHONIC DISTORTION • POLYPHONIC COMPRESSOR/LIMITER • POLYPHONIC OCTAVE • POLYPHONIC SLOW GEAR				

All The Amps You Need and More
The VG-88 doesn't just stop with guitars; it also models a variety of pickups, vintage and modern amplifiers, speaker cabinets and microphone placement. There are now 32 amps total—including new amplifiers like Jazz Combo, Match Lead, Tweed and new R-Fier models like R-Fier Orange and Red. If you can dream it, you can create it on the VG-88 Version 2.

■ COSM Amp Type

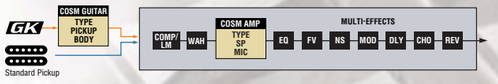
TYPE	• JC-120 • JAZZ COMBO • CLEAN TWIN • PRO CRUNCH • TWEED	• CRUNCH • STACK CRUNCH • MATCH DRIVE • MATCH LEAD • FAT MATCH	• VO CLEAN • VO DRIVE • VO LEAD • BLUES • BG RHYTHM	• BG DRIVE • BG LEAD • MS1959(I) • MS1959(II) • MS1959(I+II)	• MS HI-GAIN • R-FIER RED • R-FIER ORANGE • R-FIER VINT	• SLDN LEAD • DRIVE STACK • LEAD STACK • METAL 5150	• METAL DRIVE • METAL STACK • METAL LEAD • AC.GUITAR
SPEAKER	• SMALL • MIDDLE	• JC-120 • TWIN ON	• TWIN OFF • MATCH ON	• MATCH OFF • VO ON	• VO OFF • BG STACK ON	• BG STACK OFF • MS STACK ON	• MS STACK OFF • METAL STACK	• ACOUSTIC
MIC SET	• CENTER 1~10 cm						

Powerful Multi-Effects
The VG-88's effects section includes everything from reverb and chorus to delay, flanger and parametric EQ—plus distortion, Slicer and polyphonic effects like a string-assignable octaver and a polyphonic Slow Gear. Want more? The new Defretter effect makes your guitar sound like a fretless, while Uni-V creates cool phase-shifted vibrato effects. You also get new a selection of new COSM Wah models.

■ Effects List

●COMPRESSOR/LIMITER ●WAH (ORIGINAL, CRY WAH, VO WAH, FAT WAH, LIGHT WAH, 7STR WAH) ●EQUALIZER ●MOD(HARMONIST, P.SHIFTER, FLANGER, PHASER, SUB EQUALIZER, 2xCHORUS, TREMOLO, PAN, PEDAL SHIFT, VIBRATO, DEFRETTER, UNI-V) ●DELAY ●CHORUS ●REVERB ●NOISE SUPPRESSOR ●FOOT VOLUME

■ VG-88 Algorithms



Guitar — GK Divided Pickup — **Individual Signal Transmitting** — COSM Guitar Modeling / COSM Amp Modeling / Effect Processing

- VG: The ultimate guitar processing/modeling system for recording or performance
- VG: 32 COSM amp models let you plug in direct to great tone
- VG: Play virtually any type of guitar (acoustic or electric) from your GK-equipped guitar
- VG: Divided pickup allows for many alternate tuning options at the touch of a button

● **AD Conversion** 24-bit AF Method* (Normal Input), 20-bit (GK Input) ● **DA Conversion** 20-bit 128 times oversampling ΔΣ Modulation ● **Sampling Frequency** 44.1 kHz ● **Patches** Total 260 (Preset: 160, User: 100) ● **Display** 160 x 64 dots Backlit LCD, 8 segment 2 line LED ● **Connectors** GK In, Guitar Input, Guitar Output, Output L (Mono), Output R, Phones, Sub EXP Pedal/Sub CTL (1, 2), MIDI (IN, OUT) ● **Power Supply** AC 117/230/240 V ● **Power Consumption** 24 W ● **Dimensions** 504 (W) x 303 (D) x 101 (H)mm / 19-7/8 (W) x 11-15/16 (D) x 4 (H)inches ● **Weight** 4.9 kg /10 lbs. 13 oz. ● **Accessory** GK Connecting Cable C-13A (5 m)

*AF Method (Adaptive Focus method): This is a proprietary method from Roland that vastly improves the signal-to-noise (S/N) ratio of the A/D and D/A converters.

V-Bass GK COSM

The Power of COSM Modeling for Bass.
Tap into a World of Bass Guitar and Amp Models

Don't Let Guitar Players Have All the Fun!
The Roland V-Bass is a bass guitar processing system designed to accurately model the world's most popular basses and bass amplifiers. The secret is Roland's COSM Modeling technology and the new GK-2B Divided Pickup for Bass.

New COSM Bass Technology
Building upon the knowledge and experience gained from V-Guitar technology, Roland developed all-new COSM Bass technology to power the new V-Bass. COSM Bass technology can process a standard bass guitar with a GK-2B Divided Pickup to sound like a variety of other basses—including acoustic upright bass, fretless bass, a variety of classic electric basses, synth bass and more—and you can even design custom basses by combining different body types and pickup configurations.

■ COSM Bass Type

• ACOUSTIC • ELECTRIC • FRETLESS • VARI BASS	• WAVE SYNTH • OSC SYNTH • FILTERED • BOWED	• PIPE • CRYSTAL • ORGAN • BRASS	• PEDAL PITCH SHIFT • POLY OCTAVE • POLY DISTORTION • POLY SLOW GEAR

■ Electric Bass Type

• VINT JB • JB	• VINT PB • PB	• RICK • T-BIRD	• ACTIVE • VIOLIN	• M-MAN

■ Acoustic Modeling Variations

PICKUP	• MIC	• PIEZO	• MAGNET	
CONTROL	• TONE	• LEVEL		
BODY	• SIZE • RESO	• BODY LEVEL • BOTTOM	• ATTACK	• SUSTAIN

■ Vari Bass Modeling Variations

PICKUP	TYPE	• SINGLE • PIEZO	• DOUBLE
	POSITION (F, R)	5 ~ 450 mm	
	OFFSET Hi ~ Lo (F, R)	−445 ~ +445 mm	
	PHASE (F, R)	• IN	• OUT
	CONTROL	• R.VOL • R.TONE • TONE • BASS • LEVEL	• F.VOL • F.TONE • BALANCE • TREBLE
BODY	TYPE	• SOLID • VIOLIN	• SEMI HOLLOW • HUGE WOOD
	• SIZE	• BODY	• LEVEL	• RESO	• BOTTOM

Superb Bass Amp Modeling
Thanks to COSM Bass Amp Modeling, the V-Bass can precisely model the sound of classic and modern bass amps, from "Concert 810" and "Session" models to "T.E.", "Bass 360" and others. Dial in the tone of these models like the originals, and then pair them with a variety of modeled speaker cabinets and mic placement.

■ COSM Amp Type

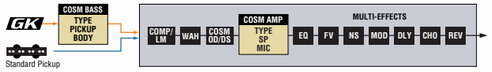
TYPE	• CONCERT 810 • FLIP TOP • B-MAN • VO DRIVE	• SESSION • T.E. • BASS 360 • SUPER FLAT	• AC BASS • MS STACK • HI-GAIN STACK • METAL STACK
SPEAKER	• 1 x 15' • 1 x 18'	• 2 x 15' • 4 x 10'	• 8 x 10' • ORIGINAL
MIC SET	• −5 ~ +5		

Studio-Quality Bass Effects
The V-Bass includes a variety of professional bass effects that are perfect for use in the studio or in live performance. These include modeled wah effects, modeled overdrive and distortion—plus compression, delay, chorus, reverb and more. The V-Bass can also create incredible synth bass sounds, polyphonic effects and sound effects.

■ Effects List

●COMPRESSOR/LIMITER ●WAH ●COSM OVERDRIVE/DISTORTION (BLUES OD, TURBO OD, BASS OD, DIST, GUV DS, METAL ZONE, MUFF FUZZ, 60s FUZZ, OCT FUZZ) ●EQUALIZER ●MODULATION (HARMONIST, P.SHIFTER, FLANGER, PHASER, SUB EQ, 2 x 2 CHORUS, TREMOLO, PAN, PD SHIFT, VIBRATO) ●DELAY ●CHORUS ●REVERB ●NOISE SUPPRESSOR ●FOOT VOLUME

■ V-Bass Algorithms



Bass — GK Divided Pickup — **Individual Signal Transmitting** — COSM Bass Modeling / COSM Amp Modeling / Effect Processing

- V-Bass: Turn your GK-equipped bass guitar into anything from an upright to a fretless bass and more
- V-Bass: Play 5- or 6-string bass from a standard electric using the Polyphonic Pitch Shift function
- V-Bass: Get fat polyphonic synth bass sounds only possible with the V-Bass

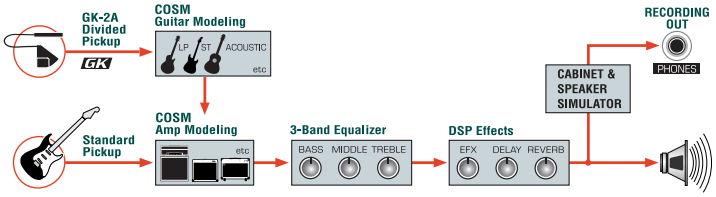
● **AD Conversion** 24-bit AF Method* (Bass Input), 20-bit (GK Input) ● **DA Conversion** 20-bit 128 times oversampling ΔΣ Modulation ● **Sampling Frequency** 44.1 kHz ● **Patches** Total 200 (Preset:100, User:100) ● **Display** Full-graphic LCD (160 x 64) with backlit 8 segment, two-digit LED ● **Connectors** GK In, Bass Input, Bass Output, Output L (Mono), Output R, Output (XLR) L (Mono), Output (XLR) R/Direct, Phones, Sub EXP Pedal/Sub CTL (1, 2), MIDI (In, Out) ● **Power Supply** AC 117/230/240 V ● **Power Consumption** 24 W ● **Dimensions** 504 (W) x 303 (D) x 101 (H) mm / 19-7/8(W) x 11-15/16 (D) x 4 (H) inches ● **Weight** 4.9 kg / 10 lbs. 13 oz. ● **Accessory** GK Connecting Cable C-13A (5 m)

*AF Method (Adaptive Focus method): This is a proprietary method from Roland that vastly improves the signal-to-noise (S/N) ratio of the A/D and D/A converters.

VGA-3 GK COSM
V-Guitar Amplifier

A Compact and Affordable Amp with Advanced Modeling Capabilities.

The VGA-3 V-Guitar Amplifier puts Roland's most sought-after guitar and amp models in a compact digital amp at a very friendly price. This 50-watt brute uses COSM modeling to deliver a stunning range of electric and acoustic guitar models—plus unique GK effects—from any GK pickup-equipped guitar. There are also 11 programmable COSM amp models, 3-band EQ, and three independent effects processors that can be accessed using any standard electric guitar.



■ **COSM Amp type**

COMBO	• JC CLEAN • TWEED • MATCH • AMERICAN CLEAN • BRITISH
STACK	• CLASSIC I • MODERN • R-FIER • CLASSIC I+II • METAL
ACOUSTIC	• ORIGINAL FLAT TYPE WITH ACOUSTIC GUITAR SIMULATOR

■ **COSM Guitar type**

ELECTRIC	• ST • LP • HOLLOW • 12 STRING
ACOUSTIC	• STANDARD • 12 STRING
SPECIAL	• SYNTH LEAD • POLY OCTAVE • SYNTH PAD • SITAR • SLOW GEAR

● **Rated Power Output** 50 W ● **Patches** 10 (Recalled from Panel), 40 (Recalled from MIDI Foot Controller) ● **Nominal Input Level (1 kHz)** INPUT: -10 dBu, EXT IN: -10 dBu ● **Speaker** 30 cm (12 inches) x 1 ● **Connectors** Front: GK In, Input, Recording Out/Phones, Rear: EXT In, EXP Pedal, Foot SW, MIDI In ● **Power Supply** AC 117/230/240 V ● **Power Consumption** 55 W ● **Dimensions** 586 (W) x 260 (D) x 480 (H) mm / 23-1/8 (W) x 10-1/4 (D) x 18-15/16 (H) inches ● **Weight** 18.5 kg / 40 lbs. 13 oz. ● **Accessory** Owner's Manual

* 0 dBu=0.775 Vrms

Roland's Flagship Modeling Amplifier.

The VGA-7 V-Guitar Amplifier is the most powerful and complete modeling amplifier in history. This technological marvel serves up a range of COSM amp sounds, onboard effects, and speaker cabinet simulations—plus models of different electric and acoustic guitars, pickups, and tunings using any steel-string guitar and an optional GK-2A Divided Pickup.

VGA-7 V-Guitar Amplifier GK COSM

● **Rated Power Output** 130 W (65 W + 65 W) ● **Speakers** 30 cm (12 inches) x 2 + horn tweeter x 2 ● **Connectors** GK In, Input (High, Low), Phones, Line Out (L (Mono)/R), EXT In (L (Mono)/R), EXP Pedal, EFX, Delay (Tip:ON/OFF, RING:TAP TEMPO), Chorus, Reverb, MIDI (In, Out, Thru) ● **Power Supply** AC 117/230/240 V ● **Power Consumption** 160 W ● **Dimensions** 770 (W) x 300 (D) x 640 (H) mm / 30-3/8 (W) x 11-13/16 (D) x 25-1/4 (H) inches (incl.casters) ● **Weight** 37.6 kg / 82 lbs. 15 oz. ● **Accessories** GK Connecting Cable C-13A (5 m), Casters (x 4)

BOSS GK EFFECTS

BOSS

Cool Synth Sounds and GK Effects in a Compact Pedal.

The WP-20G Wave Processor lets you create fat synth-type sounds from a GK-equipped guitar. You get a choice of six synth waveforms and 11 types of chorus and delay—all in a rugged pedal with easy knob-based operation.

WP-20G GK
Wave Processor

● **Nominal Input Level** -20 dBu ● **Nominal Output Level** -20 dBu ● **Power Supply** DC 9 V : Dry Battery x 6, AC Adaptor ● **Current Draw** 150 mA (9 V, with GK-2A) *Expected battery life under continuous use; [Carbon : 2 hours], [Alkaline : 6 hours] These figures will vary depending on the actual conditions of use. ●**Dimensions** 173 (W) x 158 (D) x 57 (H) mm / 6-13/16 (W) x 6-1/4 (D) x 2-1/4 (H) inches ● **Weight** 1.1 kg / 2 lbs. 7 oz. (including batteries) ● **Accessory** Dry Battery (LR6 (AA) type) x 6 ● **Options** AC Adaptor (PSA Series), GK Cables GKC-3/5/10

* 0 dBu=0.775 Vrms

The World's First Polyphonic Octave Pedal!

With the OC-20G Poly Octave, guitar players can create unique guitar/bass combos by assigning octaves to individual strings. The OC-20G can even simulate a 6-string guitar or acoustic. Onboard distortion is also provided for a thicker, "new-school" metal sound.

OC-20G GK
Poly Octave

● **Nominal Input Level** -20 dBu ● **Nominal Output Level** -20 dBu ● **Power Supply** DC 9 V : Dry Battery x 6, AC Adaptor ● **Current Draw** 150 mA (9 V, with GK-2A)*Expected battery life under continuous use; [Carbon : 2 hours], [Alkaline : 6 hours] These figures will vary depending on the actual conditions of use. ● **Dimensions** 173 (W) x 158 (D) x 57 (H) mm / 6-13/16 (W) x 6-1/4 (D) x 2-1/4 (H) inches ● **Weight** 1.1 kg / 2 lbs. 7 oz. (including batteries) ● **Accessory** Dry Battery (LR6 (AA) type) x 6 ● **Options** AC Adaptor (PSA Series), GK Cables GKC-3/5/10

* 0 dBu=0.775 Vrms

OPTIONS

Unit Selector	GK Parallel Box	MIDI Foot Controller	Foot Controller	Expression Pedal	Volume/Expression Pedal	2-Way Selector	Footswitch (Unlatch)	Footswitch (Latch)	Pedal Switch
US-20 GK	GKP-4 GK	FC-200	GFC-50	EV-5	FV-300L	AB-2	FS-5U	FS-5L	DP-2

GK Cable GKC-3 (3 m) GK	GK Cable GKC-5 (5 m) GK	GK Cable GKC-10 (10 m) GK	MIDI Cable MSC-15 (1.5 m)	MIDI Cable MSC-25 (2.5 m)	MIDI Cable MSC-50 (5 m)	Connection Cable PCS-31 1/4" TRS phone (stereo) x 1 ↔ 1/4" phone (mono) x 2 (2.2 m/86-5/8") *For use with two FS-5U

COSM Composite Object Sound Modeling

Once a musical instrument generates sound vibrations, it reaches the human ear through various mediating objects, each of which significantly affects the sound. The material and configuration of the instrument, the electric/electronic/magnetic amplifying system, the air and the reverberation of the room all affect the final sound. Sound modeling, the latest DSP technology, "virtually" reconstructs these objects. Roland's breakthrough Composite Object Sound Modeling (COSM) uses the advantages of multiple modeling methods and succeeds in accurately emulating existing sounds, as well as producing sounds that have never before been created.

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www.BOSScorp.co.jp

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Printed in Japan. Apr 2003 RAM-3704 PBL-GEN-SE BG-3